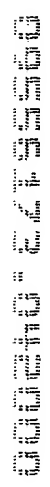


10  
↙



**F16.1**

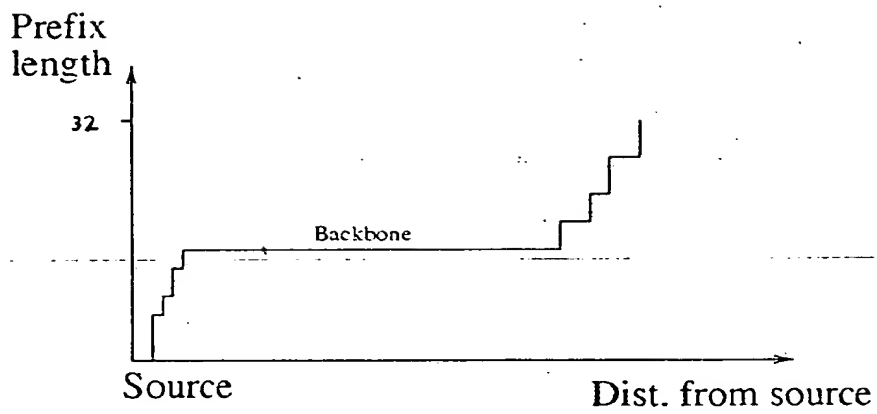


FIG. 2A

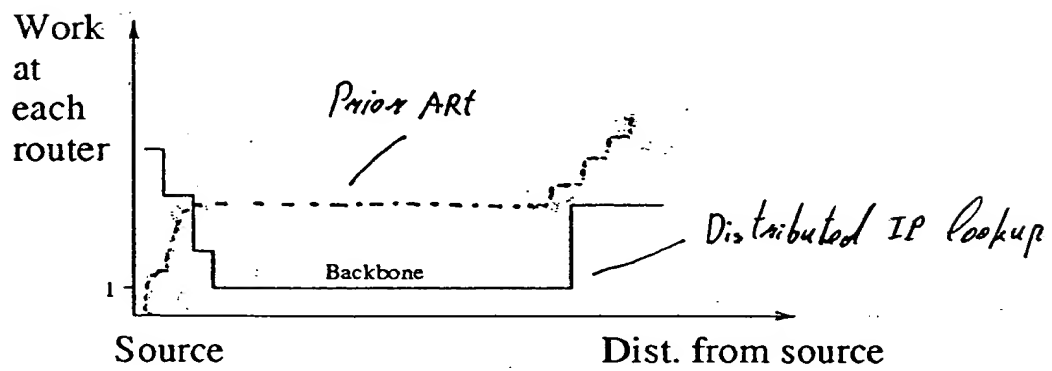





FIG. 2B

- - prefix vertex
- - non prefix vertex

Prefix	NextHop
*	
00*	
0001*	
011*	
1*	

## R1 -> R2 Clue's Hash Table

CLUE	FD	Ptr
*	*	--
00*	00*	
0001*	00*	--
011*	*	
1*	*	

Prefix	NxtHop
*	
00*	
0000*	
0110*	
11*	

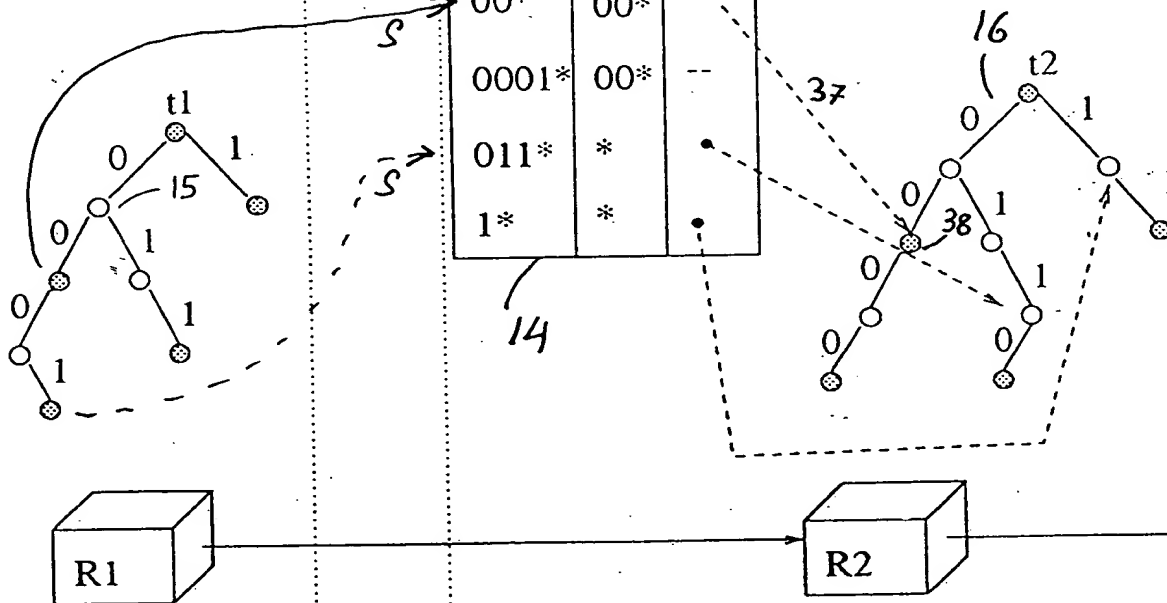


FIG. 3

Legend

- - prefix vertex
- - non prefix vertex

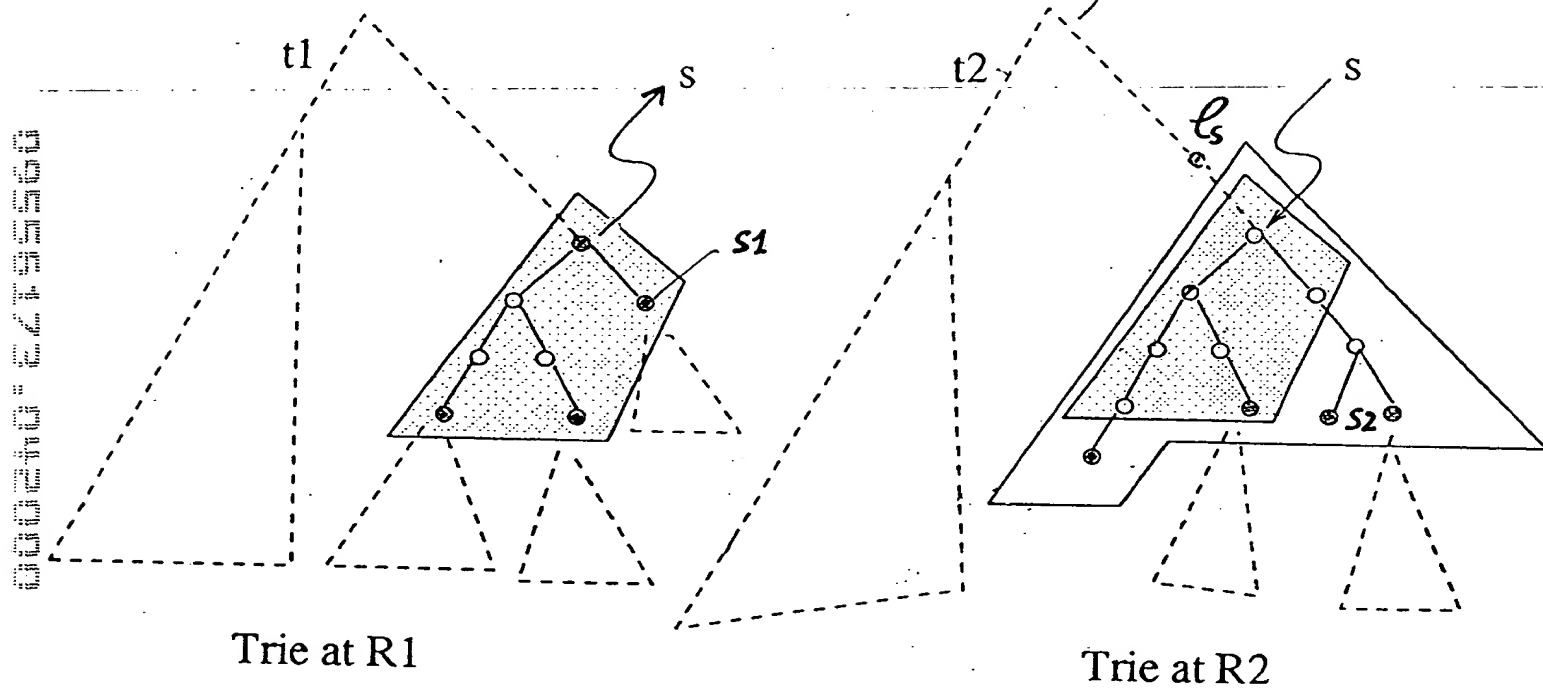


FIG. 4



Legend

- - prefix vertex of R2
- - non prefix vertex
- - clue (prefixes of R1)

40

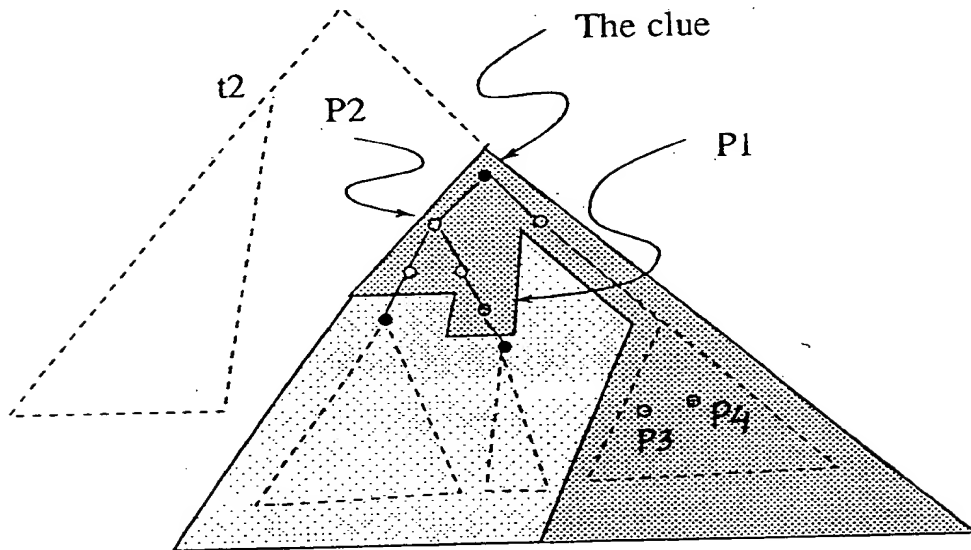


FIG. 6

Diagram illustrating a network topology for a priority queue:

- Routers R1, R2, R3, and R4 are connected in a sequence, each with a  $10.0.0/24$  interface.
- R4 is connected to R5 (interface  $10.0.0.128/25$ ) and R6 (interface  $10.0.0.0/25$ ).
- A dashed line separates the routers from the text *(Priority)*.

FIG. 7